



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/769,151	01/30/2004	Nobuyuki Fujiwara	1339	9525
7590	09/21/2004		EXAMINER	
Mr. Loyal M. Hanson Hanson Law Corporation P.O. Box 430 Fallbrook, CA 92088-0430			HOLZEN, STEPHEN A	
			ART UNIT	PAPER NUMBER
			3644	

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/769,151	FUJIWARA ET AL.
	Examiner Stephen A. Holzen	Art Unit 3644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) 10-12 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-9, 13 and 14 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 4 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Ewing et al (3,385,539). Ewing discloses a circularly shaped canopy having a skirt band wherein each suspension line includes a lower main line that branches into two upper lines (see figure 4)

Re – Claims 4 and 8: a vent band on the canopy and a plurality of vent suspension lines connect to the band, wherein each vent line includes a lower vent suspension line that branches into at least two upper vent lines.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 3, 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ewing et al in view of ordinary skill in the art.

Re – Claims 2: Ewing et al teach every aspect of the present invention except wherein the parachute includes 10 main suspension lines having ten lower main suspension lines segments and twenty upper main suspension line segments. It would have been obvious to one having ordinary skill in the art at the time the invention was made to include 10 main suspension lines having 10 lower main suspension line segment and twenty upper main suspension line segments, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. St. Regis Paper Co. v. Bemis Co. 193 USPQ 8.

Re – Claim 3: Ewing et al discloses all the limitation of this claim. (See Figure 4)

Re – Claim 5: Ewing et al teach every aspect of the present invention except wherein the parachute includes 10 vent suspension lines having 10 lower vent suspension line segment and twenty upper vent suspension line segments. It would have been obvious to one having ordinary skill in the art at the time the invention was made to include 10 vent suspension lines having 10 lower vent suspension line segment and twenty upper vent suspension line segments, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. St. Regis Paper Co. v. Bemis Co. 193 USPQ 8.

Re – Claim 6: Ewing et al disclose all the limitation of this claim. (see Figure 4)

5. Claims 7 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ewing et al (3,385,539) in view of Benney et al (2003/0038215). Ewing discloses every aspect of the applicant's invention except a generally planar reefing device defining a plurality of openings through which the main suspension lines extend. Benney et al disclose a generally planar reefing device defining a plurality of openings through which the main suspension lines extend (#24). It would have been obvious at the time of the invention to one having ordinary skill in the art to include the teachings of Benney into the device of Ewing for the purpose of reducing the opening shock force on a parachutist.

6. Claims 13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ewing in view of ordinary skill in the art. Ewing discloses every aspect of this claim except for the different material from which the upper and lower suspension lines are made (see Figure 4) and different material from which the upper and lower vent suspension lines are made (see Figure 4) However It would have been obvious to one having ordinary skill in the art at the time the invention was made to at least partially compose the lower suspension line and two upper main suspension lines segments, as well as the upper and lower vent suspension lines, of different material since it has been held to be within the general skill of a worker in the art to select a known material on the

basis of its suitability for the intended use as a mater of obvious design choice. In re Leshin 125 USPQ 416.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen A. Holzen whose telephone number is 703-308-2484. The examiner can normally be reached on M-F 7:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Teri Luu can be reached on 703 305-7421. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sah



TERI P. LUU
SUPERVISORY PRIMARY EXAMINER